

GUIDANCE DOCUMENT

Land Use: Cropland C-H

Cooperator: R. Wright

Tract No.: 102

Date: October 2005

Field No.: 3

Acres: 65

Selected Treatment Level (circle one):
RMS; Resource Concern; Practice

Soil: Duffield Silt Loam

T= 3 t/ac

Assisted By: RDH

RESOURCE CONCERNS

Benchmark	Soil	Water	Plants	Animals	Air
Conservation crop rotation of 4 years corn and 4 years hay causing compaction at 6" depth.	Soil Condition - Compaction			N/A	N/A
Sinkholes in cropfields with potential loss of herbicides in runoff		Water Quality - Harmful Levels of Pesticides in Groundwater			
Yields are less than potential - Corn yield 95 - 110 bu/acre			Plant - Condition - Productivity, Health and Vigor		

EFFECTS GUIDANCE DOCUMENT FOR ALTERNATIVE RESOURCE CONCERN

RESOURCE CONCERNS

Alternative #1	Soil	Water	Plants	Animals	Air
	Compaction	Harmful Levels of Pesticides in Groundwater	Productivity, Health and Vigor		
Conservation Crop Rotation (328)	+2	-----	+4		
Cover Crop (340)	+2	-----	+1		
Residue Management No-Till and Strip Till (329A)	+5	+2	+1	N/A	N/A
Filter Strip (393) [51-100 ft]	-----	+3	-----		
Nutrient Management (590)	+1	-----	+4		
TOTAL:	+10	+5	+10		
Alternative #2	Soil	Water	Plants	Animals	Air
	Compaction	Harmful Levels of Pesticides in Groundwater	Productivity, Health and Vigor		
Conservation Crop Rotation (328)	+2	-----	+4		
Pest Management (595)	-----	+5	+4	N/A	N/A
Nutrient Management (590)	+1	-----	+4		
Residue Management, Seasonal (344)	+2	+1	+1		
TOTAL:	+5	+6	+13		